

## INTERNATIONAL SEARCH REPORT

PCT/GB 0098

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 E05B47/00 E05B65/10

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G08B G07C E05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	DE 196 21 909 A (KOHNE MICHAEL) 11 December 1997 (1997-12-11) column 5, line 11 -column 6, line 45; figure 2	1,2,4-7 3
X	US 5 903 216 A (BAEYEN ROBERT ET AL) 11 May 1999 (1999-05-11) column 4, line 61 -column 5, line 50; figure 1	1,5-7
P, X	US 2002/099945 A1 (CAUGHEY MICHAEL D ET AL) 25 July 2002 (2002-07-25) paragraphs '0007!', '0047!', '0064!'; figures 1,2	1,2,4,6,7
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

\*A\* document defining the general state of the art which is not considered to be of particular relevance

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\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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\*Z\* document member of the same patent family

Date of the actual completion of the international search

15 May 2003

Date of mailing of the international search report

22/05/2003

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 338 493 A (STENHUIS DERK ET AL) 6 July 1982 (1982-07-06) column 1, line 1 -column 2, line 39; figures 1-4	1,2,4

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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
DE 19621909	A	11-12-1997	DE 19621909	A1	11-12-1997
US 5903216	A	11-05-1999	US 5955947	A	21-09-1999
			AU 5382798	A	31-07-1998
			EP 0956412	A2	17-11-1999
			WO 9828985	A2	09-07-1998
US 2002099945	A1	25-07-2002	CA 2324679	A1	26-04-2002
			AU 1370902	A	06-05-2002
			WO 0235479	A1	02-05-2002
			CA 2360120	A1	26-04-2002
US 4338493	A	06-07-1982	NL 7905018	A	30-12-1980
			AT 2374	T	15-02-1983
			DE 3061771	D1	03-03-1983
			DK 275580	A, B,	28-12-1980
			EP 0021425	A1	07-01-1981